

Abstract

Method for improving the quality of an audio transmission via a packet-oriented communication network and communication system for implementing the method

The invention permits the improvement of the quality of an audio transmission in which audio data containing samples (A_1, \dots, A_8) of an audio signal are asynchronously transmitted in data packets via a packet-oriented communication network (LAN). According to the invention, the audio data to be transmitted and/or already transmitted are digitally converted in the sense of altering their sampling rate and/or in the sense of modifying the duration ($L_1+2*L_2+L_3$) of an audio signal represented by the audio data whilst largely retaining its pitch. The conversion is performed in dependence on a transmission situation currently detected, in such a manner that a quality of service of the audio transmission is optimized.

Fig. 1